

Product datasheet for **MG214565**

4932429P05Rik (NM_001085511) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	4932429P05Rik (NM_001085511) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	4932429P05Rik
Synonyms:	RP23-256C8.1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>MG214565 representing NM_001085511
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGATGACAACTTCATAGCGTAAAAATCTATGTTATGGTGGAAGATGAGCAATGGAAAGGCATAGGTG
 CAGGTCAAATTTTCATCCAAATACATTGAGCGGCTCCAGGGTGTGTGCCTGATTGTTTCAGTCAGAATCAGA
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 GTTCTTTAGTGAATTACCCATATGATACTGATGATGAGAATGGTATGATCCTTATGGTAATGATAAT
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ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

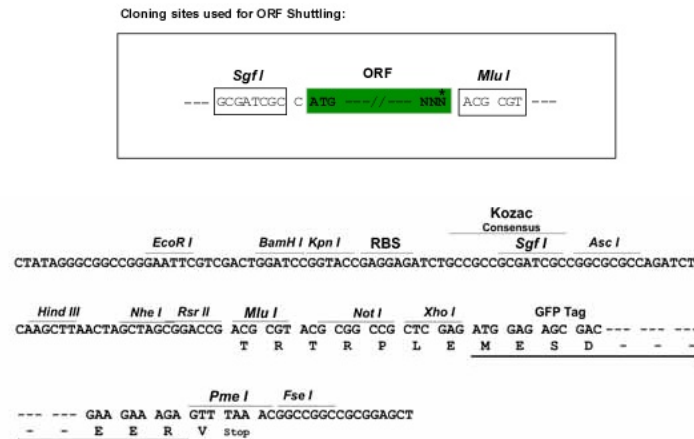
Protein Sequence: >MG214565 representing NM_001085511
 Red=Cloning site Green=Tags(s)

MDDKLHSVKIYVMEDEQWKIGAGQISSKYIERLQGVCLIVQSESDGSLIMECKIHPNVPYHKQRGEII
 IWSETKNHGMAIHFQEPNGCQEIWEDICQVQKDPNVEITEELTDNLKTFEELLPIWNLVEMQNCCELHTL
 ENIADLFTFVHETPSHKERLVLLEKGVYIKLLQHFNTCEKLNMESLYLNNIIKGILFDNTHLFNI
 MFSDEFFMDMVGCLYDPALDHPKQYREFLTQNAKFKEILPITHFQLRQTIQQTIRMQYVHDIVLPIPSI
 CESNLLYGLNTMIYNKIEIITMLQDDENFLLEVLARLKDNTVGNDRRHELLLFFKEFCFATKLENLEK
 HELLKTLINLGVMSALKAVVHMHDYQIQIAALDIFPYLVEYNPCLVREYLLDEAHTDDDDLFLNIMIKQ
 MICNSDPRFSQGIILPAILCALLDPENMHVTANGCEEKFLNFFYTRCINNLIAPILSATVEKENANNRA
 NICPDNYQNAQLLGVVIEILTCVQYHSTYIKSYILDNNLLSRILVMTSKHTFLILCAVRFMRLIGLK
 DEIYNLYIKENLFEPVNAFMHNGHRYNMLNSAIIELFEFIRQENIKSLIANIVENFFISFESIEYVQT
 FKGLKIKYEEENEQVRRNLLNVVCQKIYCICTNDMGLKVKSDICHRRITETKEAILPNRRDFPSHYGI
 IMKIEETNESESAIEGQIKSSAEAFERCPSHGDASATMRSHCSSLVPLVNPYDDEGDDPYGNDN
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001085511

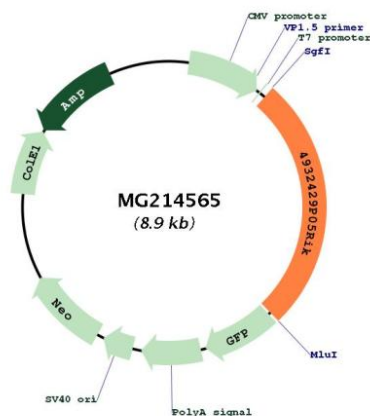
ORF Size: 2355 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001085511.1, NP_001078980.1</u>
RefSeq Size:	3093 bp
RefSeq ORF:	2358 bp
Locus ID:	245509
Cytogenetics:	X C1

Product images:



Circular map for MG214565